



070Q—Cab and Chassis Truck 35,000 GVWR

State Term Contract

Division of Purchase and Contract

Bid Number	201400104		
Effective Dates	March 11, 2014 through March 10, 2017		
Vendor and Contact	Charlotte Truck Center Terry Keith - tkeith@charlottetruckcenter.com - 800-277-1038		
Contract Administrator	Chris Tart - Vehicles Category Manager, P&C chris.tart@doa.nc.gov 919-807-4540		

General Information

This contract intended to cover the State's normal requirements for **35,000 GVWR Cab and Chassis Trucks..**

Scope of Contract

The scope of this contract is limited to the products as defined herein. This contract is for use by all state agencies, departments, institutions, universities, community colleges (except those exempted by statute), and certain non-state agencies.

NON-STATE AGENCIES ELIGIBLE TO PARTICIPATE IN THIS CONTRACT:

In accordance with North Carolina General Statutes, certain non-state entities described below, may participate in this contract on a voluntary basis. Any of the non-state entities that choose to participate in this contract must abide by the terms and conditions that are set forth in this contract.

Nonprofit corporations operating charitable hospitals, local nonprofit community sheltered workshops or centers that meet standards established by the Division of Vocational Rehabilitation of the Department of Health and Human Services, private nonprofit agencies licensed or approved by the Department of Health and Human Services as child placing agencies, residential child-care facilities, private nonprofit rural, community, and migrant health centers designated by the Office of Rural Health and Resource Development, private higher education institutions, counties, cities, towns, governmental entities, volunteer fire departments, rescue squads, and other subdivisions of the State and public agencies thereof.

Taxes

Prices or Discounts shown herein do not include any North Carolina sales or use taxes.

Minimum Orders

The contract will be for a minimum order of one unit for any single order.

Placement of Orders

Orders will be placed throughout the contract period on an as-needed basis for the quantity required at the time, and will be issued directly to the respective contractor.

Note: Non-State agencies ordering from this contract are to place the order with the contractor noted and not with NCDOT.



Order Placement Via E-Procurement (Catalog Items)

Click on the following link: [E-Procurement Users](#)

When placing an order in the e-procurement system, the very first thing to do is to go to the catalog tab and select options. After you have selected options, select contract ID. In the contract ID space type in the contract ID number, 070X.

Please make sure the keywords space is blank and the contract ID is typed in the contract ID section.

After selecting the contract ID and to narrow the search to a particular manufacturer select the manufacturer from the drop down

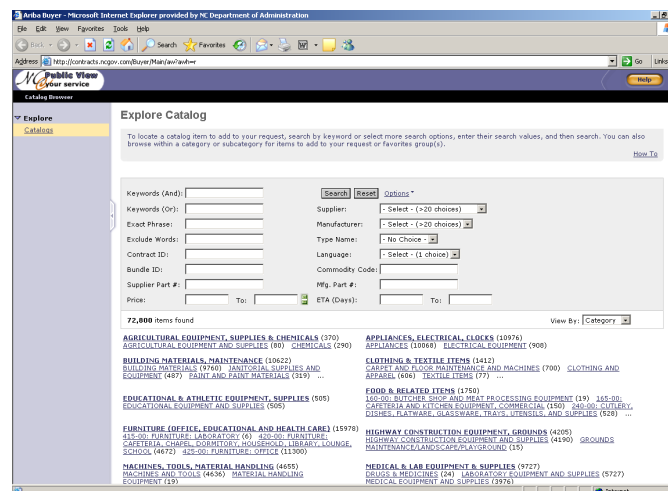
When the item to be ordered has been located complete the requisition and issue the purchase order.

Non E-Procurement Users

The E-Procurement Public View will be the only place for Non E-Procurement Users to view the item/pricing information.

Click on the following link: [E-Procurement Public View](#)

For online assistance regarding item searching; click on the “How to” underlined link located near the upper-right hand corner.



Delivery

The State requests that the first unit be delivered within 120 days of the receipt of a purchase order. The State reserves the right to evaluate the delivery schedule offered as a factor in determining award of this contract. The delivery schedule will be finalized with the successful bidder when a purchase order is issued. Bidders are requested to submit with their bid a proposed delivery schedule showing when the first unit will be delivered after receipt of purchase order and at what rate the remaining units will be delivered until order is complete. **The successful bidder will be expected to adhere strictly to the delivery schedule finalized in accordance with the Issuing Agency guidelines after a purchase order is issued.**

In the event the delivery is not received within the contract delivery period, the contractor may be held in default in accordance with paragraph 1, DEFAULT AND PERFORMANCE BOND in the North Carolina General Contract Terms and Conditions, and the state may procure the articles or services from other sources and hold the contractor responsible for excess cost occasioned thereby.



Transportation Charges

All goods shall be delivered **FOB DESTINATION** for all orders equal to, or greater, than the minimum order, when shipped to a single destination to any location within the State of North Carolina. Orders for less than the minimum order will be shipped prepaid, with transportation charges added to the invoice as a separate item. Transportation charges levied by the contractor for orders equal to, or greater than the minimum order, when shipped to a single destination, may be cause for removal of the contractor from the contract. In instances where the contractor makes partial shipments of an order to one destination, which is equal to, or greater than, the minimum order, all shipments of the order shall be sent **FOB DESTINATION** with NO additional transportation charges.

All shipments should be inspected for damage immediately upon receipt.

Warranty

Each unit is to be warranted bumper to bumper, for a minimum period of two years from date accepted and made ready for operations, regardless of mileage. The warranty shall cover all parts, labor and delivery of parts. In addition, there shall be an extended warranty of one additional year or a total of 150,000 miles on the drive train (engine, transmission and rear axle). There shall be no reduction (prorating) of coverage resulting from age or mileage during the warranty period. In addition, any specific provisions in the manufacturer's standard warranty that exceed the above requirement become part of the warranty for this contract.

Any periodic inspections, which may be required and performed by the vendor or his representative, shall be without charge to the owner.

Contract Items and Specifications:

Ordering Agencies are strongly encouraged to confirm specifications with the vendor prior to placing order.

Cab and Chassis, 35,000 GVWR	Freightliner 114SD	\$80,258.00
ITEM 1	Automatic Transmission	
ITEM 2	Freightliner 114SD	\$75,208.00
	Manual Transmission	
ITEM 3	Option for Crew Cab in lieu of conventional cab	\$7,525.00
ITEM 4	Optional Bench Seat in lieu of bucket seats in conventional cab or in lieu of front row bucket seats in Crew Cab	Deduct \$276.00
ITEM 5	Option for 108" usable CA	No Charge
ITEM 6	Option for 120" usable CA	\$230.00
ITEM 7	Option for 126" usable CA	\$370.00
ITEM 8	Option for 144" usable CA	\$370.00
ITEM 9	Option for 162" usable CA	\$729.00
ITEM 10	Option for 174" usable CA	\$729.00



Vehicle Configuration

114SD CONVENTIONAL CHASSIS

2017 MODEL YEAR SPECIFIED

SET FORWARD AXLE - TRUCK

TRAILER TOWING PROVISION AT END OF FRAME FOR TRUCK

LH PRIMARY STEERING LOCATION

General Service

TRUCK/TRAILER CONFIGURATION

DOMICILED, USA 50 STATES (INCLUDING CALIFORNIA AND CARB OPT-IN STATES)

CONSTRUCTION SERVICE

GOVERNMENT BUSINESS SEGMENT

DIRT/SAND/ROCK COMMODITY

TERRAIN/DUTY: 100% (ALL) OF THE TIME, IN TRANSIT, IS SPENT ON PAVED ROADS

MAXIMUM 8% EXPECTED GRADE

ROUGH, MAINTAINED, CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE IN-TRANSIT (BETWEEN SITES)

ROAD SURFACE

FREIGHTLINER SD VOCATIONAL WARRANTY

EXPECTED FRONT AXLE LOAD: 13300 lbs

EXPECTED REAR DRIVE AXLE LOAD: 23000 lbs

GROSS VEHICLE WEIGHT CAPACITY: 36300 lbs

EXPECTED GROSS COMBINATION WEIGHT: 70000 lbs

Truck Service

FRONT PLOW/END DUMP/FLATBED

EXPECTED TRUCK BODY LENGTH: 10.0 ft

EXP EMPTY BODY CG LOC FROM BODY FRT(A89): TBD

Tractor Service

LOWBOY TRAILER

SINGLE (1) TRAILER

Engine

CUM ISL 270 HP @ 2000 RPM; 2200 GOV RPM, 800 LB/FT @ 1300 RPM



Electronic Parameters

67 MPH ROAD SPEED LIMIT

CRUISE CONTROL SPEED LIMIT SAME AS ROAD SPEED LIMIT

CUMMINS TRIP INFORMATION REPORTS ENABLED; LEVEL 1: 4 MPH, LEVEL 2: 7 MPH ABOVE ROAD SPEED LIMIT

ENGINE BRAKE WITH CRUISE CONTROL ENABLED AT 2 MPH ABOVE SET SPEED, 1 MPH INCREMENT BETWEEN BRAKING LEVELS

ENGINE FAN ENABLED WITH RETARDER

AUTOMATIC MAINTENANCE MONITOR WITH ALERT AT 5% OF INTERVAL REMAINING

REGEN INHIBIT SPEED THRESHOLD - 0 MPH

Engine Equipment

2016 ONBOARD DIAGNOSTICS/2010 EPA/CARB/GHG14

2008 CARB EMISSION CERTIFICATION - CLEAN IDLE (INCLUDES 6X4 INCH LABEL ON LOWER FORWARD CORNER OF DRIVER DOOR)

NO 2013 ENGINE ESCALATOR

STANDARD OIL PAN

ENGINE MOUNTED OIL CHECK AND FILL

SIDE OF HOOD AIR INTAKE WITH DONALDSON HIGH CAPACITY AIR CLEANER WITH SAFETY ELEMENT, FIRE-WALL MOUNTED

DR 12V 160 AMP 28-SI QUADRAMOUNT PAD ALTERNATOR WITH REMOTE BATTERY VOLT SENSE

(2) ALLIANCE MODEL 1231, GROUP 31, 12 VOLT MAINTENANCE FREE 2250 CCA THREADED STUD BATTERIES

BATTERY BOX FRAME MOUNTED

STANDARD BATTERY JUMPERS

SINGLE BATTERY BOX FRAME MOUNTED LH SIDE UNDER CAB

WIRE GROUND RETURN FOR BATTERY CABLES WITH ADDITIONAL FRAME GROUND RETURN
NON-POLISHED BATTERY BOX COVER

POSITIVE LOAD DISCONNECT WITH CAB MOUNTED CONTROL SWITCH MOUNTED OUTBOARD DRIVER SEAT

POSITIVE AND NEGATIVE POSTS FOR JUMPSTART LOCATED ON FRAME NEXT TO STARTER

CUMMINS TURBOCHARGED 18.7 CFM AIR COMPRESSOR WITH INTERNAL SAFETY VALVE
ELECTRONIC ENGINE INTEGRAL SHUTDOWN PROTECTION SYSTEM

CUMMINS EXHAUST BRAKE INTEGRAL WITH VARIABLE GEOMETRY TURBO WITH ON/OFF DASH SWITCH

RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH B-PILLAR MOUNTED VERTICAL TAILPIPE

ENGINE AFTERTREATMENT DEVICE, AUTOMATIC OVER THE ROAD REGENERATION AND DASH MOUNTED REGENERATION REQUEST SWITCH

10 FOOT 06 INCH (126 INCH+0/-5.9 INCH) EXHAUST SYSTEM HEIGHT

RH CURVED VERTICAL TAILPIPE B-PILLAR MOUNTED ROUTED FROM STEP

6 GALLON DIESEL EXHAUST FLUID TANK

100 PERCENT DIESEL EXHAUST FLUID FILL

STANDARD DIESEL EXHAUST FLUID PUMP MOUNTING



Engine Equipment (Continued)

LH MEDIUM DUTY STANDARD DIESEL EXHAUST FLUID TANK LOCATION
STANDARD DIESEL EXHAUST FLUID TANK CAP
ALUMINUM AFTERTREATMENT DEVICE/MUFFLER/TAILOPIPE SHIELD(S)
HORTON DRIVEMASTER ON/OFF FAN DRIVE
AUTOMATIC FAN CONTROL WITHOUT DASH SWITCH, NON ENGINE MOUNTED
CUMMINS SPIN ON FUEL FILTER
COMBINATION FULL FLOW/BYPASS OIL FILTER
FLEETGUARD PLAIN COOLANT FILTER
1300 SQUARE INCH ALUMINUM RADIATOR
ANTIFREEZE TO -34F, OAT (NITRITE AND SILICATE FREE) EXTENDED LIFE COOLANT
GATES BLUE STRIPE COOLANT HOSES OR EQUIVALENT
CONSTANT TENSION HOSE CLAMPS FOR COOLANT HOSES
RADIATOR DRAIN VALVE
1350 ADAPTER FLANGE FOR FRONT PTO PROVISION
PHILLIPS-TEMRO 1000 WATT/115 VOLT BLOCK HEATER
BLACK PLASTIC ENGINE HEATER RECEPTACLE MOUNTED UNDER LH DOOR
ELECTRIC GRID AIR INTAKE WARMER
DELCO 12V 38MT HD STARTER WITH INTEGRATED MAGNETIC SWITCH

Transmission

ALLISON 3500 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION
(OPTION FOR EATON FULLER RT-9210B 10 SPEED MANUAL TRANSMISSION)

Transmission Equipment

ALLISON VOCATIONAL PACKAGE 223 - AVAILABLE ON 3000/4000 PRODUCT FAMILIES WITH VOCATIONAL
ALLISON VOCATIONAL RATING FOR ON/OFF HIGHWAY APPLICATIONS AVAILABLE WITH ALL PRODUCT FAMI-
PRIMARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000
SECONDARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000
MAXIMUM ENGINE SPEED FOR PTO ENGAGEMENT 2600 RPM - ALLISON 5TH GEN TRANSMISSIONS
TCU-MAX PTO ENGINE SPEED OPERATION NOT CONFIGURED
TCU-MAX PTO O/P SPD ENG NOT CONFIGURE
TCU-MAXIMUM PTO OUTPUT SPEED OPERATION NOT CONFIGURED
VEHICLE INTERFACE WIRING CONNECTOR WITHOUT BLUNT CUTS, AT BACK OF CAB
ELECTRONIC TRANSMISSION CUSTOMER ACCESS CONNECTOR FIREWALL MOUNTED
CUSTOMER INSTALLED CHELSEA 277 SERIES PTO



Transmission Equipment (Continued)

PTO MOUNTING, LH SIDE OF MAIN TRANSMISSION

MAGNETIC PLUGS, ENGINE DRAIN, TRANSMISSION DRAIN, AXLE(S) FILL AND DRAIN

PUSH BUTTON ELECTRONIC SHIFT CONTROL, DASH MOUNTED

TRANSMISSION PROGNOSTICS - ENABLED 2013

WATER TO OIL TRANSMISSION COOLER, IN RADIATOR END TANK

TRANSMISSION OIL CHECK AND FILL WITH ELECTRONIC OIL LEVEL CHECK

SYNTHETIC TRANSMISSION FLUID (TES-295 COMPLIANT)

Front Axle and Equipment

DETROIT DA-F-13.3-3 13,300# FF1 71.5 KPI/3.74 DROP SINGLE FRONT AXLE

MERITOR 16.5X5 Q+ CAST SPIDER HEAVY DUTY CAM FRONT BRAKES, DOUBLE ANCHOR, FABRICATED SHOES

NON-ASBESTOS FRONT BRAKE LINING

CONMET CAST IRON FRONT BRAKE DRUMS

FRONT BRAKE DUST SHIELDS

SKF SCOTSEAL PLUS XL FRONT OIL SEALS

SKF SCOTSEAL TF VENTED FRONT HUB CAPS WITH WINDOW, CENTER AND SIDE PLUGS - OIL

STANDARD SPINDLE NUTS FOR ALL AXLES

MERITOR AUTOMATIC FRONT SLACK ADJUSTERS

STANDARD KING PIN BUSHINGS

TRW THP-60 POWER STEERING

POWER STEERING PUMP

4 QUART POWER STEERING RESERVOIR

SYNTHETIC 75W-90 FRONT AXLE LUBE

Front Suspension

14,600# FLAT LEAF FRONT SUSPENSION

GRAPHITE BRONZE BUSHINGS WITH SEALS - FRONT SUSPENSION

FRONT SHOCK ABSORBERS

Rear Axle and Equipment

RS-23-160 23,000# R-SERIES SINGLE REAR AXLE

5.38 REAR AXLE RATIO

(3.58 REAR AXLE RATION WITH 10 SPEED MANUAL TRANSMISSIONS)

IRON REAR AXLE CARRIER WITH STANDARD AXLE HOUSING

MXL 17N MERITOR EXTENDED LUBE MAIN DRIVELINE WITH FULL ROUND YOKES

TRAC-TECH FULL TIME NO-SPIN DIFFERENTIAL SINGLE REAR AXLE

MERITOR 16.5X7 Q+ CAST SPIDER HEAVY DUTY CAM REAR BRAKES, DOUBLE ANCHOR, FABRICATED SHOES

NON-ASBESTOS REAR BRAKE LINING

BRAKE CAMS AND CHAMBERS ON FORWARD SIDE OF DRIVE AXLE(S)



Rear Axle and Equipment (Continued)

CONMET CAST IRON REAR BRAKE DRUMS

REAR BRAKE DUST SHIELDS

SKF SCOTSEAL PLUS XL REAR OIL SEALS

HALDEX GOLDSEAL LONGSTROKE 1-DRIVE AXLE SPRING PARKING CHAMBERS

MERITOR AUTOMATIC REAR SLACK ADJUSTERS

SYNTHETIC 75W-90 REAR AXLE LUBE

Rear Suspension

23,000# FLAT LEAF SPRING REAR SUSPENSION WITH HELPER AND RADIUS ROD

SPRING SUSPENSION - 1.00" AXLE SPACER

STANDARD AXLE SEATS IN AXLE CLAMP GROUP

FORE/AFT CONTROL RODS

Brake System

WABCO 4S/4M ABS WITH TRACTION CONTROL

REINFORCED NYLON, FABRIC BRAID AND WIRE BRAID CHASSIS AIR LINES

FIBER BRAID PARKING BRAKE HOSE

STANDARD BRAKE SYSTEM VALVES

STANDARD AIR SYSTEM PRESSURE PROTECTION SYSTEM

STD U.S. FRONT BRAKE VALVE

RELAY VALVE WITH 5-8 PSI CRACK PRESSURE, NO REAR PROPORTIONING VALVE

WABCO SS-1200 PLUS AIR DRYER WITH INTEGRAL AIR GOVERNOR AND HEATER

WABCO OIL COALESCING FILTER FOR AIR DRYER

AIR DRYER MOUNTED INBOARD ON RH RAIL

STEEL AIR BRAKE RESERVOIRS MOUNTED PERPENDICULAR RH UNDER CAB

CLEAR FRAME RAILS FROM BACK OF CAB TO FRONT REAR SUSPENSION BRACKET, BOTH RAILS OUTBOARD

PULL CABLE ON WET TANK, PETCOCK DRAIN VALVES ON ALL OTHER AIR TANKS

Trailer Connections

AIR CONNECTIONS TO END OF FRAME WITH GLAD HANDS FOR TRUCK AND NO DUST COVERS

PRIMARY CONNECTOR/RECEPTACLE WIRED FOR SEPARATE STOP/TURN, CENTER PIN POWERED THROUGH IGNITION WITH STOP SIGNAL PREWIRE PACKAGE

SAE J560 7-WAY PRIMARY TRAILER CABLE RECEPTACLE MOUNTED END OF FRAME

UPGRADED CHASSIS MULTIPLEXING UNIT

Wheelbase & Frame

4250MM (167 INCH) WHEELBASE

11/32X3-1/2X10-15/16 INCH STEEL FRAME (8.73MMX277.8MM/0.344X10.94 INCH) 120KSI

PARTIAL INNER FRAME REINFORCEMENT AT FRONT SUSPENSION

BODY COMPANY INSTALLED ADDITIONAL FRONT FRAME REINFORCEMENT FOR SNOW PLOW

900MM (35 INCH) REAR FRAME OVERHANG



Wheelbase & Frame (Continued)

FRAME OVERHANG RANGE: 31 INCH TO 40 INCH

12 INCH INTEGRAL FRONT FRAME EXTENSION

CALC'D BACK OF CAB TO REAR SUSP C/L (CA) : 83.54 in

CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA) : 80.54 in

CALC'D FRAME LENGTH - OVERALL : 241.68

CALC'D SPACE AVAILABLE FOR DECKPLATE : 83.54 in

CALCULATED FRAME SPACE LH SIDE : 112.9 in

CALCULATED FRAME SPACE RH SIDE : 90.83 in

SQUARE END OF FRAME

FRONT CLOSING CROSSMEMBER

STANDARD WEIGHT ENGINE CROSSMEMBER

STANDARD MIDSHIP #1 CROSSMEMBER(S)

STANDARD REARMOST CROSSMEMBER

STANDARD SUSPENSION CROSSMEMBER

Chassis Equipment

OMIT FRONT BUMPER, CUSTOMER INSTALLED SPECIAL BUMPER, DOES NOT COMPLY WITH FMCSR 393.203

GRADE 8 THREADED HEX HEADED FRAME FASTENERS

Fuel Tanks

70 GALLON/264 LITER RECTANGULAR ALUMINUM FUEL TANK - LH

RECTANGULAR FUEL TANK(S)

PLAIN ALUMINUM/PAINTED STEEL FUEL/HYDRAULIC TANK(S) WITH PAINTED BANDS

FUEL TANK(S) FORWARD

PLAIN STEP FINISH

FUEL TANK CAP(S)

ALLIANCE FUEL FILTER/WATER SEPARATOR WITH HEATED BOWL AND PRIMER PUMP

EQUIFLO INBOARD FUEL SYSTEM

HIGH TEMPERATURE REINFORCED NYLON FUEL LINE

Tires

MICHELIN XZE2 11R22.5 16 PLY RADIAL FRONT TIRES

MICHELIN XDE M/S 11R22.5 16 PLY RADIAL REAR TIRES

Hubs

CONMET PRESET PLUS ALUMINUM FRONT HUBS

CONMET PRESET PLUS IRON REAR HUBS

Wheels

MAXION WHEELS 90541 22.5X8.25 10-HUB PILOT 6.20 INSET 2-HAND STEEL DISC FRONT WHEELS

MAXION WHEELS 90541 22.5X8.25 10-HUB PILOT 2-HAND STEEL DISC REAR WHEELS



Cab Exterior

114 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB
AIR CAB MOUNTS
NONREMOVABLE BUGSCREEN MOUNTED BEHIND GRILLE
LH AND RH GRAB HANDLES
STATIONARY BLACK GRILLE
BLACK HOOD MOUNTED AIR INTAKE GRILLE
FIBERGLASS HOOD
SINGLE 14 INCH ROUND POLISHED AIR HORN ROOF MOUNTED
DUAL ELECTRIC HORNS
SINGLE HORN SHIELD
DOOR LOCKS AND IGNITION SWITCH KEYED THE SAME WITH (4) KEYS
REAR LICENSE PLATE MOUNT END OF FRAME
SWITCH, INDICATOR LIGHT AND WIRING FOR (2) CUSTOMER FURNISHED BEACONS
HALOGEN COMPOSITE HEADLAMPS WITH BLACK BEZELS
(5) AMBER MARKER LIGHTS
HEADLIGHTS ON WITH WIPERS, WITH LOW BEAM DAYTIME RUNNING LIGHTS
INTEGRAL STOP/TAIL/BACKUP LIGHTS
STANDARD FRONT TURN SIGNAL LAMPS
DUAL WEST COAST BRIGHT FINISH HEATED MIRRORS WITH LH AND RH REMOTE
DOOR MOUNTED MIRRORS
102 INCH EQUIPMENT WIDTH
LH AND RH 8 INCH BRIGHT FINISH CONVEX MIRRORS MOUNTED UNDER PRIMARY MIRRORS
(3RD ROUND CONVEX MIRROR ON LH BRACKET)
STANDARD SIDE/REAR REFLECTORS
NO CAB MOUNTED STEPS
ELECTRIC HORN WARNING SYSTEM FOR PARK BRAKE NOT SET WITH DOOR OPEN AND ALL IGNITION KEY POSITIONS
63X14 INCH TINTED REAR WINDOW
TINTED DOOR GLASS LH AND RH WITH TINTED OPERATING WING WINDOWS
MANUAL DOOR WINDOW REGULATORS
TINTED WINDSHIELD
8 LITER WINDSHIELD WASHER RESERVOIR, CAB MOUNTED, WITHOUT FLUID LEVEL INDICATOR

Cab Interior

OPAL GRAY VINYL INTERIOR
MOLDED PLASTIC DOOR PANEL
MOLDED PLASTIC DOOR PANEL
BLACK MATS WITH SINGLE INSULATION
DASH MOUNTED ASH TRAYS AND LIGHTER



Cab Interior (Continued)

FORWARD ROOF MOUNTED CONSOLE WITH UPPER STORAGE COMPARTMENTS WITHOUT NETTING
IN DASH STORAGE BIN
CENTER STORAGE CONSOLE MOUNTED ON BACKWALL
(OMITTED WITH 2-MAN PASSENGER SEAT)
(2) CUP HOLDERS LH AND RH DASH
GRAY/CHARCOAL FLAT DASH
SMART SWITCH EXPANSION MODULE
5 LB. FIRE EXTINGUISHER
HEATER, DEFROSTER AND AIR CONDITIONER
STANDARD HVAC DUCTING WITH SNOW SHIELD FOR FRESH AIR INTAKE
MAIN HVAC CONTROLS WITH RECIRCULATION SWITCH
STANDARD HEATER PLUMBING
DENSO HEAVY DUTY AIR CONDITIONER COMPRESSOR
BINARY CONTROL, R-134A
STANDARD INSULATION
SOLID-STATE CIRCUIT PROTECTION AND FUSES
12V NEGATIVE GROUND ELECTRICAL SYSTEM
DOME LIGHT WITH 3-WAY SWITCH ACTIVATED BY LH AND RH DOORS
CAB DOOR LATCHES WITH MANUAL DOOR LOCKS
(1) 12 VOLT POWER SUPPLY IN DASH
TRIANGULAR REFLECTORS WITHOUT FLARES
BASIC HIGH BACK AIR SUSPENSION DRIVER SEAT WITH MECHANICAL LUMBAR AND INTEGRATED CUSHION
EXTENSION
BASIC HIGH BACK AIR SUSPENSION PASSENGER SEAT WITH MECHANICAL LUMBAR AND INTEGRATED CUSH-
ION EXTENSION
(OPTION FOR 2-MAN PASSENGER SEAT)
LH AND RH INTEGRAL DOOR PANEL ARMRESTS
GRAY CORDURA PLUS CLOTH DRIVER SEAT COVER
GRAY CORDURA PLUS CLOTH PASSENGER SEAT COVER
3 POINT HIGH VISIBILITY ORANGE RETRACTOR DRIVER AND PASSENGER SEAT BELTS
ADJUSTABLE TILT AND TELESCOPING STEERING COLUMN
4-SPOKE 18 INCH (450MM) STEERING WHEEL
DRIVER AND PASSENGER INTERIOR SUN VISORS

Instruments & Controls

GRAY DRIVER INSTRUMENT PANEL
GRAY CENTER INSTRUMENT PANEL
BLACK GAUGE BEZELS



Instruments & Controls (Continued)

LOW AIR PRESSURE INDICATOR LIGHT AND AUDIBLE ALARM

2 INCH PRIMARY AND SECONDARY AIR PRESSURE GAUGES

DASH MOUNTED AIR RESTRICTION INDICATOR WITH GRADUATIONS

ELECTRONIC CRUISE CONTROL WITH SWITCHES IN LH SWITCH PANEL

KEY OPERATED IGNITION SWITCH AND INTEGRAL START POSITION; 4 POSITION OFF/RUN/START/

ICU3S, 132X48 DISPLAY WITH DIAGNOSTICS, 28 LED WARNING LAMPS AND DATA LINKED

HEAVY DUTY ONBOARD DIAGNOSTICS INTERFACE CONNECTOR LOCATED BELOW LH DASH

2 INCH ELECTRIC FUEL GAUGE

ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE

2 INCH TRANSMISSION OIL TEMPERATURE GAUGE

ENGINE AND TRIP HOUR METERS INTEGRAL WITHIN DRIVER DISPLAY

CUSTOMER FURNISHED AND INSTALLED PTO CONTROLS

ELECTRIC ENGINE OIL PRESSURE GAUGE

AM/FM RADIO WITH FRONT AND REAR AUXILIARY INPUTS AND J1939

DASH MOUNTED RADIO

(2) RADIO SPEAKERS IN CAB

AM/FM ANTENNA MOUNTED ON FORWARD LH ROOF

ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITHOUT ODOMETER

ELECTRONIC 3000 RPM TACHOMETER

NO VEHICLE PERFORMANCE MONITOR

IGNITION SWITCH CONTROLLED ENGINE STOP

THREE IGNITION CONTROLLED EXTRA SWITCHES WITH INDICATOR LIGHT, 20 AMPS, WIRED TO BACK OF CAB

PRE-TRIP LAMP INSPECTION, ALL OUTPUTS FLASH, WITH SMART SWITCH

BW TRACTOR PROTECTION VALVE

TRAILER HAND CONTROL BRAKE VALVE

DIGITAL VOLTAGE DISPLAY INTEGRAL WITH DRIVER DISPLAY

SINGLE ELECTRIC WINDSHIELD WIPER MOTOR WITH DELAY AND ARCTIC TYPE BLADES

MARKER LIGHT SWITCH INTEGRAL WITH HEADLIGHT SWITCH AND DUAL CONNECTORS AND SWITCH FOR

CUSTOMER FURNISHED SNOW PLOW LIGHTS, LOW BEAMS OFF WITH HIGH BEAMS

TWO VALVE PARKING BRAKE SYSTEM WITH DASH VALVE CONTROL AUTONEUTRAL AND WARNING INDICATOR

SELF CANCELING TURN SIGNAL SWITCH WITH DIMMER, WASHER/WIPER AND HAZARD IN HANDLE

INTEGRAL ELECTRONIC TURN SIGNAL FLASHER WITH HAZARD LAMPS OVERRIDING STOP LAMPS

Design

PAINT: ONE SOLID COLOR



Nothing Compares

Color

CAB COLOR A: L1160EB STATE OF NC YELLOW ELITE BC
BLACK, HIGH SOLIDS POLYURETHANE CHASSIS PAINT
NO FUEL TANK CABINET PAINT
POWDER WHITE (N0006EA) FRONT WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)
POWDER WHITE (N0006EA) REAR WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)
STANDARD E COAT/UNDERCOATING

Certification / Compliance

U.S. FMVSS CERTIFICATION

Secondary Factory Options

CORPORATE PDI CENTER IN-SERVICE ONLY
PDI PERFORMED INITIAL FEDERAL FMCSR 396 DOT INSPECTION
DEALER HAS BEEN ADVISED OF AND ACCEPTED RESPONSIBILITY FOR MODIFICATIONS DUE TO POSSIBLE
PTO/CHASSIS INTERFERENCE

Estimated Dry Weight Summary

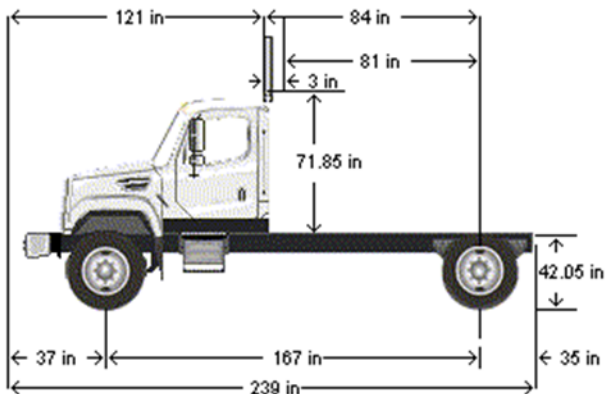
Factory Weight

Front: 7536 lbs.
Rear: 4360 lbs.
Total: 11869 lbs.

Extended Warranty

EPA 2013 CUMMINS ISL ENGINE EXTENDED WARRANTY DC1, 3 YEARS/150,000 MILES/240 000 KM FEX
EPA 2013 CUMMINS ISL ENGINE EXTENDED WARRANTY AFTERTREATMENT AT3, 3 YEARS/150,000
MILES/240 000 KM FEX

Dimensions





Nothing Compares

TABLE SUMMARY - DIMENSIONS

Dimensions	Inches
Bumper to Back of Cab (BBC)	120.9
Bumper to Centerline of Front Axle (BA)	37.4
Min. Cab to Body Clearance (CB)	3.0
Back of Cab to Centerline of Rear Axle(s) (CA)	83.5
Effective Back of Cab to Centerline of Rear Axle(s) (Effective CA)	80.5
Back of Cab Protrusions (Exhaust/Intake) (CP)	1.5
Back of Cab Protrusions (Side Extenders/Trim Tab) (CP)	0.0
Back of Cab Protrusions (CNG Tank)	0.0
Back of Cab Clearance (CL)	3.0
Back of Cab to End of Frame	118.5
Cab Height (CH)	71.9
Wheelbase (WB)	167.0
Frame Overhang (OH)	35.0
Overall Length (OAL)	239.4
Rear Axle Spacing	0.0
Unladen Frame Height at Centerline of Rear Axle	42.1

TABLE SUMMARY - GVWR

	Front	Rear
Axle Component Weight Ratings		
Axles	13300	23000
Suspension	14600	23000
Hubs	13300	26000
Brakes	14700	23000
Wheels	14800	29600
Tires	13220	24020
Power Steering	14000	N/A
GAWR (per axle)	13220	23000
GAWR (per axle system)	13220	23000
Expected Load (per axle system)	13300	23000
Vehicle GVWR Summary		
Calculated GVWR	36220	
Expected GVWR	36300	
All weights displayed in pounds		



TABLE SUMMARY - GRADEABILITY

Transmission Gear	Transmission Gear Ratio	Overall Gear Ratio	Vehicle Speed (MPH)	HP Available for Grade	Max Grade (%)
1	4.59	24.69	6.4	159.2	25.8
2	2.25	12.10	13.0	154.4	12.3
3	1.54	8.29	19.0	148.6	8.1
4	1.00	5.38	29.2	134.5	4.8
5	0.75	4.04	39.0	114.4	3.0
6	0.65	3.50	45.0	98.0	2.3
Desired Gradeability at Peak Torque			2.0		
Rear Axle Ratio			5.38		
Gross HP Available at Peak Torque			198		
RPM at Peak Torque			1300		
*Blue background represents value input by user.					

Transmission Gear	Transmission Gear Ratio	Overall Gear Ratio	Vehicle Speed (MPH)	HP Available for Grade	Max Grade (%)
1	4.59	24.69	9.2	192.3	21.6
2	2.25	12.10	18.8	183.9	10.1
3	1.54	8.29	27.4	172.5	6.5
4	1.00	5.38	42.2	140.9	3.4
5	0.75	4.04	56.3	91.7	1.7
6	0.65	3.50	65.0	49.5	0.8
Desired Gradeability at Cruise Speed			2.0		
Desired Cruise Speed			65.0		
Rear Axle Ratio			5.38		
Gross HP Available at Cruise Speed			268		
RPM at Cruise Speed			1879		
*Blue background represents value input by user.					

Vendor Complaint Form:

The Vendor Complaint Form can be found by clicking: [Vendor Complaint Form](#).

Contract Addenda:

25 August 2014	New Contract Administrator	Chris Tart
16 April 2015	Amendment 1	Price Adjustment 2015
8 January 2016	Amendment 2	Price Adjustment 2016

Revised: 8 January 2016